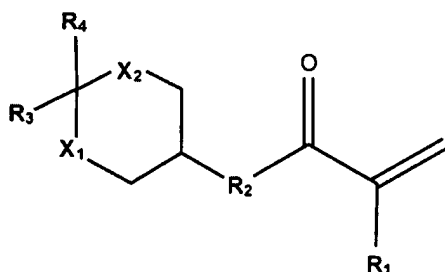


AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all previous listing of claims:

1. (original) A monomer corresponding to a compound of formula (I):



(I)

wherein

R₁ is CH₃ or H,

R₂ is (R_{2a})_mW_n(R_{2b})_pY_qZ, wherein

R_{2a} and R_{2b} are independently selected from carbonates, carbamates, ureas, dithiocarbonates, dithiocarbamates, thiocarbonates, thioureas, trithiocarbonates, and thiocarbamates,

m and p are independently selected from 0 and 1,

W is selected from CH₂ and (CH₂)_tO,

Y is selected from CH₂ and (CH₂)_sO,

t and s are integers independently selected from 0 to 50 inclusive,

n and q are integers independently selected from 0 to 50 inclusive,

Z is O or NH and is attached to the carbonyl moiety,

R₃ and R₄ are independently selected from H, a substituted or unsubstituted alkyl group, and a substituted or unsubstituted aromatic group, and

X₁ and X₂ are independently selected from O and S;

wherein

(a) if Z is O, Y is CH₂, q is an integer from 1 to 4 inclusive, and m, n, and p are 0, then at least one of X₁ and X₂ is S;

(b) if Z is O, W is CH₂, n is an integer from 1 to 4 inclusive, and m, p, and q are 0, then at least one of X₁ and X₂ is S; and,

(c) if Z is O and m, n, p, and q are 0, then at least one of X₁ and X₂ is S.

2. (original) The monomer of claim 1, wherein the alkyl group or the aromatic group of R₃ or R₄ comprises at least one ring having 3, 4, 5, 6, 7, 8, or more members.

3. (original) The monomer of claim 1, wherein the monomer is selected from Table I.

4-15. (canceled)